



# Intel® SNMP Subagent v7.0

## Release Notes

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*Release Date: September, 2015*

*Build # 20*



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## 1. Package Contents

- Intel SNMP Subagent v7.0.1520

## 2. Supported Operating Systems

- Windows\* Server 2012 R2 EM64T
- Windows\* Server 2012 Enterprise
- Windows\* Server 2008 R2 SP1 EM64T
- RHEL6\* update5 (32 bit & EM64T)
- RHEL7 (EM64T)
- RHEL7.1 (EM64T)
- SLES\* 11 SP3 (32 bit & EM64T)
- SLES\* 12 SP3 (EM64T)

## 3. Supported Server Platforms

### Multi-Core Intel® Xeon® Processor E3 Sequence-based Servers

- Intel® Server Board S1200RPL
- Intel® Server Board S1200RPS
- Intel® Server Board S1200RPO
- Intel® Server Board S1200RPM

### Multi-Core Intel® Xeon® Processor E5 Sequence-based Servers

- Intel® Server Board S2600WTT
- Intel® Server Board S2600WT2
- Intel® Server Board S2600KP
- Intel® Server Board S2600CW
- Intel® Server Board S2600TP
- Intel® Server Board S1600JP
- Intel® Server Board S1400SP
- Intel® Server Board S1400BB
- Intel® Server Board S2400EP
- Intel® Server Board S1400FP
- Intel® Server Board S4600LH
- Intel® Server Board S2400BB
- Intel® Server Board S2400GP
- Intel® Server Board S2400LP
- Intel® Server Board S2600WP
- Intel® Server Board S2400SC
- Intel® Server Board S2600CO



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- Intel® Server Board S2600JF
  - Intel® Server Board S2600GL
  - Intel® Server Board S2600GZ
  - Intel® Server Board W2600CR
  - Intel® Server Board S2600IP
  - Intel® Server Board S2600CP

#### **4. Supported Languages**

- Supported languages for Intel® SNMP Subagent
  - English
  - Brazilian Portuguese
  - Chinese Simplified
  - Chinese Traditional
  - French
  - German
  - Italian
  - Japanese
  - Korean
  - Russian
  - Spanish

#### **5. Features**

Through basic SNMP GETs and TRAPs, the Intel® SNMP Subagent provides the following functionality for managing servers:

- Accessing sensor data
- Viewing threshold settings
- Reading the SMBIOS tables
- Providing overall system health status

#### **6. Installation & Uninstallation**

##### **6.1.1. Installation using standalone installer**

- To Install Intel® SNMP Subagent for 32 bit Windows server, double click Intel SNMP Subagent-x86.exe from SNMP\_SA\_i386 folder and follow the instructions
- To Install Intel® SNMP Subagent for 64 bit Windows server, double click Intel SNMP Subagent-x86\_64.exe from SNMP\_SA\_64 folder and follow the instructions
- To install SNMP Subagent in Linux, run snmpsubagentinstall.sh.

##### **6.1.2. Upgrade and downgrade**

- SNMP Subagent for windows allows you to perform upgrade but no downgrade is allowed.



- For Linux both upgrades and downgrade are not allowed, you have to uninstall the previous version before installing.

### 6.1.3. Uninstallation

- Use control panel Add / Remove programs to un-install the Intel® Server Management SNMP Subagent.
- In Linux, run `snmpsubagent_uninstall.sh`.

## 7. Known Issues

- Windows\* version of Intel® SNMP Subagent may give a warning "*Windows can't verify the publisher of this driver software*" during installation for three drivers that are part of Intel® SNMP Subagent package. User must select the option "*Install this driver software anyway*" to proceed with installation. Once installed, the drivers will show up as not digitally signed in the properties page of the driver. However, the drivers are digitally certified by Microsoft\*. The Microsoft "[sigverif](#)" utility will show up the three drivers (`flashud.sys`, `ibsmutil.sys` and `imbdrv.sys`) as WHQL certified.
- Intel® SNMP subagent is not completely supported in GPT style partitioned OS. The `smbios` and `bios` queries will fail.
- For RH6.4 (Legacy and UEFI) and above, OpenIPMI is required to be enabled before installing SNMPSA. Run "`modprobe ipmi_devintf`" to enable OpenIPMI.
- For Suse 11.3 (Legacy and UEFI) and above, OpenIPMI is required to be enabled before installing SNMPSA. Run "`modprobe ipmi_devintf`" and "`modprobe ipmi_si`" to enable OpenIPMI.
- The SNMPSA installer may show these message during installation: "`insserv: Script jexec is broken: incomplete LSB comment`" and "`insserv: missing 'Required-Stop:' entry: please add even if empty`" due to there is no '`Required-Stop:'` in java's `jexec` script. User may need to install latest java rpm or add '`Required-Stop:'` right below the '`Required-Start:'`" in `\etc\init.d\jexec` script.
- Installation in RHEL4.x using install script may fail with the following error  
`"error: File not found by glob: ./rhlinux/x86_64/el3.0/snmpsa*.x86_64.rpm"`  
This is due to an error in install script. Renaming the folder `el5.0` in `rhlinux/x86_64/` to `el3.0` or changing the path install script `snmpsubagentinstall.sh` to `el5.0` will solve the problem.
- Intel® SNMP Subagent may not work properly if Intel® IASB is installed on the same system.
- The Intel® SNMP subagent requires that the IPMI driver be started.

To start the IPMI service

Enter "`modprobe ipmi_devintf`" and "`modprobe ipmi_si`" in a linux terminal

\*These commands works only if the openIPMI package has been installed in the OS.

- Net-snmp may record all the successful connections in log file and cause the disk space to be consumed quickly on some Linux OS.

To turn off this logging on SuSE\*

- Change `SNMPD_LOG_SUCCESSFUL_CONNECTIONS="yes"` to "`no`" in "`/etc/sysconfig/net-snmp`" file
- Restart `snmpd` and `snmpsa` services.

To turn off this logging on RHEL\* 6.x

- Enable the option of `< OPTIONS="-Lf /dev/null -p /var/run/snmpd.pid" >` in "`/etc/sysconfig/snmpd.pid`" file



- Restart snmpd and snmpsa services.
- Cooling unit sensor not available.

### **Platform Specific Intel® Xeon® Processor E5 Sequence-based Servers**

- Drive Slot Device Inserted or Removed SNMP Trap will not be generated.

## **8. Trouble shooting Instructions**

If the Intel® SNMP Subagent or Master locks up, you must restart both agents. Use the following steps from the command line to restart the agents, depending on your operating system. For information on setting services or daemons to start at system boot, see your operating system documentation.

### **Linux\* Operating System**

- Stop the subagent by entering the following command:  
/etc/init.d/snmpsa stop or systemctl stop snmpsa (for RHEL7, RHEL 7.1 & SLES12)
- Restart the master agent by entering the following command:  
/etc/init.d/snmpd\* restart or systemctl restart snmpd (for RHEL7, RHEL7.1 & SLES12)
- Start the subagent by entering the following command:  
/etc/init.d/snmpsa start or systemctl start snmpsa (for RHEL7, RHEL7.1 & SLES12)

\*If snmpd file is missing in the path /etc/init.d for Linux OS (esp if RHEL 7 and above) please use "systemctl restart snmpd" or "service snmpd restart" commands in linux terminal.

### **Windows\* Operating System**

In Windows\* Operating System, choose Start > Control Panel > Administrative Tools > Services, then stop and restart the SNMP Service.

## **9. Release Change Logs:**

### **9.1. Build 20**

- Integrated with latest Cacheriver 6.1 build11
- Integrated Klocwork code fixes

### **9.2. Build 19**

- Integrated with latest Cacheriver 6.1 build10
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### **9.3. Build 18**

- Baseboard location is updated with latest version of Mibfile for Windows.



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#### **9.4. Build 17**

- Upgrade /downgrade messages have been modified for Windows.
- Mib file modified for both windows and linx.

#### **9.5. Build 16**

- Upgrade /downgrade messages have been modified for Windows.

#### **9.6. Build 15**

- Added support for SLES12.
- Romley and Denlow platforms are supported.

#### **9.7. Build 14**

- Integrated CR6.1 Build7
- Added support for RHEL7

#### **9.8. Build 13**

- Integrated CR6.1 Build5

#### **9.9. Build 12**

- Fixed SmarT-CLST trap unable to send issue.

#### **9.10. Build 11**

- Updated User Guide.
- Integrated CR6.0 Build16

#### **9.11. Build 10**

- Fixed tracker EPSD100241543, EPSD100241855
- Integrated CR6.0 Build12

#### **9.12. Build 9**

- Integrated CR6.0 Build11

#### **9.13. Build 8**

- Integrated CR6.0 Build10
- Fixed SNMPSA-Trap support for WCP

#### **9.14. Build 7**

- Integrated CR6.0 Build09
- Fixed tracker EPSD100240057.
- Added new NM\_SmaRTCLST event support for SNMPSA-TRAP.



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**9.15. Build 6**

- Integrated CR6.0 Build8
- Fixed tracker EPSD100237885, EPSD100237882, EPSD100239403.

**9.16. Build 5**

- Integrated CR6.0 Build7.1 (Added "Voltage Fault Sensor" SEL translation)
- Fixed tracker EPSD100237416

**9.17. Build 4**

- Integrated CR6.0 Build05 (Fixed 3 ME sensors issue)

**9.18. Build 3**

- Integrated CR6.0 Build04

**9.19. Build 2**

- Integrated CR6.0 Build03

**9.20. Build 1**

- Initial release
- Integrated CR6.0 Build02